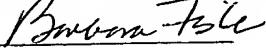


10/506 829

TS6346US
DSC:BAF

D175 Rec'd PCT/PTO 07 SEP 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail EV325953709US addressed to Commissioner for Patents, Box PCT, (DO/EO/US) Alexandria, VA 22313-1450 on the date shown below.


Barbara Fisher
Date: 7 September 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
BEITS, Michael, John, et. al.)
International Appln No. PCT/EP03/01744)
International Filing Date: 7 March 2003)
STEERABLE SOIL PENETRATION SYSTEM) 7 September 2004

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.56 AND 1.97

Dear Sir:

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein.

The relevance of the foreign language documents are provided in the International Search Report of the PCT Application.

The Examiner is requested to fully consider this information and to indicate consideration on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant(s).

Respectfully submitted,

BEITS, Michael, John, et. al.



Attorney, Del S. Christensen
Reg. No.33,482
(713) 241-3997

P.O. Box 2463
Houston, Texas 77252-2463

FORM PTO-1449 (Modified)		ATTY. DOCKET NO. TS6346	APPLICATION NUMBER 10/506829
LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)		APPLICANT BEITS, Michael, John, et. al.	
		FILING DATE 7 September 2004	GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4646277	2/24/87	Jack E. Bridges, et al	367	191	4/12/85
	AB	3818996	6/25/74	Stanley B. McCaleb	175	57	10/10/72
	AC	2001/0023614	9/27/01	Paulo Tubel, et al	73	152.39	6/1/01
	AD	5322391	6/21/94	Allan T. Fisk	174	73	9/1/92
	AE	4856600	8/15/89	Glen Baker, et al	175	26	10/21/88
	AF	5303202	4/12/94	Paul E. Carroll, et al	367	13	9/1/93
	AG	2002/0000332	1/3/02	Jeff Merecka, et al	175	73	6/29/01
	AH	5850884	12/22/98	Albert A. Rodger, et al	173	91	4/21/95
	AI	4955439	9/11/90	Frank R. Kinnan	175	45	6/2/88
	AJ	5163520	11/17/92	Paul N. Gibson, et al	175	19	5/13/91
	AK	4694913	9/22/87	William J. McDonald, et al	175	61	5/16/86

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AL	91/11646	8/8/91	WO	F16L	1/028	
	AM	0395167	10/31/90	EP	E21B	4/20	
	AN	0806543	11/12/97	EP	E21B	10/40	
	AO	00/46484	8/10/00	WO	E21B	43/10	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	International Search Report dated September 8, 2003
	AS	
	AT	

EXAMINER _____ DATE CONSIDERED _____

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

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FORM PTO-1449 (Modified)		ATTY. DOCKET NO. TS6346	APPLICATION NUMBER 10/1506829
LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)		APPLICANT BEITS, Michael, John, et. al.	
		FILING DATE 7 September 2004	GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5070948	12/10/91	G. Edwin Malzahn, et al	175	19	7/31/90
	AB	4945999	8/7/90	G. Edwin Malzahn	175	19	4/6/89
	AC	4306626	12/22/81	John W. Duke, et al	175	35	5/21/80
	AD	5904444	5/18/99	Teruo Kabeuchi, et al	405	184	11/27/96
	AE	5878825	3/9/99	Shigeaki Okuyama, et al	175	61	7/1/97
	AF	4981181	1/1/91	Alfons Hesse	175	19	7/28/89
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AL	01/75263	10/11/01	WO	E21B	17/20	
	AM						
	AN						
	AO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	
	AT	

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